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**Hawaii Agricultural Experiment Station,  
HONOLULU.**

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**E. V. WILCOX, Spec. Agent in Charge.**

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**Index to Publications of the Hawaii Agricultural Experiment  
Station, July 1, 1901, to December 31, 1911.**

**By A. T. LONGLEY, CLERK.**

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**UNDER THE SUPERVISION OF  
OFFICE OF EXPERIMENT STATIONS, U. S. DEPARTMENT  
OF AGRICULTURE.**

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(Under the supervision of A. C. TRUE, Director of the Office of Experiment Stations, United States Department of Agriculture.)

WALTER H. EVANS, Chief of Division of Insular Stations, Office of Experiment Stations.



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A. T. Longley, Clerk.



## ANNUAL REPORTS.

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### FIRST ANNUAL REPORT, 1901,

Establishment of Station and General Statement of Station Work. Jared G. Smith, Special Agent in Charge. Pp. 361-379, pls. 25-32. (Reprint from An. Rept. Office of Expt. Stations, 1901.)

### SECOND ANNUAL REPORT, 1902,

General Statement of Station Work. Jared G. Smith, Special Agent in Charge. Pp. 309-330, pls. 20-27. (Reprint from An. Rept. Office of Expt. Stations, 1902.)

### THIRD ANNUAL REPORT, 1903.

General Statement of Station Work. Jared G. Smith, Special Agent in Charge. Pp. 391-418, pls. 14-17. (Reprint from An. Rept. Office of Expt. Stations, 1903.)

### FOURTH ANNUAL REPORT, 1904.

General Statement of Station Work. Jared G. Smith, Special Agent in Charge. Pp. 361-382, pls. 14-15. (Reprint from An. Rept. Office of Expt. Stations, 1904.)

### FIFTH ANNUAL REPORT, 1905.

General Statement of Station Work. Jared G. Smith, Special Agent in Charge. Pp. 66, pls. 4. (Office of Experiment Stations—Bul. No. 170.)

### SIXTH ANNUAL REPORT, 1906.

General Statement of Station Work. Jared G. Smith, Special Agent in Charge. Pp. 88, pls. 7.

### SEVENTH ANNUAL REPORT, 1907.

General Statement of Station Work. Jared G. Smith, Special Agent in Charge. Pp. 90, pls. 9, figs. 3.

### EIGHTH ANNUAL REPORT, 1908.

General Statement of Station Work. E. V. Wilcox, Special Agent in Charge. Pp. 84, pls. 7.

### NINTH ANNUAL REPORT, 1909,

General Statement of Station Work. E. V. Wilcox, Special Agent in Charge. Pp. 76, pls. 6, figs. 8.

### TENTH ANNUAL REPORT, 1910,

General Statement of Station Work. E. V. Wilcox, Special Agent in Charge. Pp. 64, pls. 8, figs. 4.

## BULLETINS.

- BULLETIN No. 1.—December 1, 1901. Chickens and Their Diseases in Hawaii. T. F. Sedgwick, Agriculturist. Pp. 24.
- 2.—July 25, 1902. The Root Rot of Taro. T. F. Sedgwick, Agriculturist. Pp. 22, pls. 2.
- 3.—August 22, 1902. Insecticides for Use in Hawaii. D. L. Van Dine, Entomologist. Pp. 26, pls. 1, figs. 7.
- 3.—(Revised.) January 8, 1904. Insecticides for Use in Hawaii. D. L. Van Dine, Entomologist. Pp. 21, pls. 1, figs. 7.
- 4.—March 5, 1903. The Cultivation of Sisal in Hawaii. Frank E. Conter, Assistant. Pp. 32, pls. 5, figs. 4.
- 5.—January 23, 1904. A Sugar-cane Leaf-hopper in Hawaii. D. L. Van Dine, Entomologist. Pp. 29, figs. 8.
- 6.—May 25, 1904. Mosquitoes in Hawaii. D. L. Van Dine, Entomologist. Pp. 30, figs. 12.
- 7.—October 18, 1904. The Banana in Hawaii. J. E. Higgins, Horticulturist. Pp. 53, pls. 9, figs. 9.
- 8.—January 27, 1905. Methods of Milking. F. G. Krauss, Instructor in Agriculture, Kamehameha Boys' School, Honolulu. Pp. 15, figs. 5.
- 9.—September 1, 1905. Citrus Fruits in Hawaii. J. E. Higgins, Horticulturist. Pp. 32, pls. 3, figs. 7.
- 10.—May 31, 1905. Insect Enemies of Tobacco in Hawaii. D. L. Van Dine, Entomologist. Pp. 16, figs. 6.
- 11.—January 1, 1906. The Black Wattle (*Acacia decurrens*) in Hawaii. Jared G. Smith, Special Agent in Charge. Pp. 16, pls. 3.
- 12.—January 30, 1906. The Mango in Hawaii. J. E. Higgins, Horticulturist. Pp. 32, pls. 10.
- 13.—March 15, 1906. The Composition of Some Hawaiian Feeding Stuffs. Edmund C. Shorey, Chemist. Pp. 24.



- 14.—May 6, 1907. Marketing Hawaiian Fruits. J. E. Higgins, Horticulturist. Pp. 44, pls. 8.
- 15.—October 22, 1907. Cultivation of Tobacco in Hawaii. Jared G. Smith, Special Agent in Charge, and Charles R. Blacow, in Charge of Tobacco Investigations. Pp. 30, pls. 3, figs. 4.
- 16.—July 3, 1908. The Ceara Rubber Tree in Hawaii. Jared G. Smith, Special Agent in Charge, and Q. Q. Bradford, Assistant in Rubber Investigations. Pp. 30, pls. 4.
- 17.—June 30, 1908. Hawaiian Honeys. D. L. Van Dine, Entomologist, and Alice R. Thompson, Assistant Chemist. Pp. 22, pls. 1.
- 18.—May 5, 1909. Insects of Cotton in Hawaii. D. T. Fullaway, Entomologist. Pp. 28, figs. 18.
- 19.—December 28, 1909. Experiments in Tapping Ceara Rubber Trees. E. V. Wilcox, Special Agent in Charge. Pp. 20.
- 20.—December 3, 1909. Shield Budding the Mango. J. E. Higgins, Horticulturist. Pp. 16, pls. 2, figs. 4.
- 21.—April 5, 1910. A Study of the Composition of the Rice Plant. W. P. Kelley, Chemist, and Alice R. Thompson, Assistant Chemist. Pp. 51.
- 22.—December 27, 1910. Insects Attacking the Sweet Potato in Hawaii. D. T. Fullaway, Entomologist. Pp. 31, figs. 10.
- 23.—September 20, 1911. Leguminous Crops for Hawaii. F. G. Krauss, Agronomist. Pp. 31, pls. 7.
- 24.—June 16, 1911. The Assimilation of Nitrogen by Rice. W. P. Kelley, Chemist. Pp. 20.
- 25.—December 16, 1911. The Avocado in Hawaii. J. E. Higgins, Horticulturist; Chester J. Hunn, Assistant Horticulturist, and Valentine S. Holt, Assistant in Horticulture. Pp. 48, pls. 7, figs. 12.

#### PRESS BULLETINS.

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- PRESS BUL. No. 1.—January 2, 1903. The Function of the Experiment Station. Jared G. Smith, Special Agent in Charge. Pp. 1.

- 2.—No date. Castor Bean. Jared G. Smith, Special Agent in Charge. Pp. 1.
- 3.—No date. Preliminary Experiments with the "Quick Blight" of the Potato. T. F. Sedgwick. Pp. 1.
- 4.—No date. Na Hoao No Ke Pale Ana I Ka Pala O Ke Kalo (The Root Rot of Taro). T. F. Sedgwick. Pp. 1.
- 5.—No date. Manila Hemp or Abaca. Jared G. Smith, Special Agent in Charge. Pp. 1.
- 6.—August 10, 1903. Vanilla Cultivation in Hawaii. Frank E. Conter, Assistant. Pp. 8, pls. 2.
- 7.—September 14, 1903. Mosquitoes. D. L. Van Dine, Entomologist. Pp. 1, figs. 2. (Published in English, Portuguese, Hawaiian, Chinese and Japanese.)
- 8.—October 21, 1903. The Mealy Bug, or "Pear Blight" of the Alligator Pear. D. L. Van Dine, Entomologist. Pp. 6, figs. 3.
- 9.—March 16, 1904. Two Plant Diseases in Hawaii. Jared G. Smith, Special Agent in Charge. Pp. 6.
- 10.—August 11, 1904. The Pineapple Scale (*Diaspis bromeliæ* Kerner). D. L. Van Dine, Entomologist. Pp. 6, pls. 1.
- \*11.—January 5, 1905. The Common Liver Fluke in Hawaii (*Distoma hepaticum*). Jared G. Smith, Special Agent in Charge, and D. L. Van Dine, Entomologist. Pp. 8, pls. 2.
- 12.—April 10, 1905. Tobacco Experiments in Hamakua, Hawaii. Jared G. Smith, Special Agent in Charge, and C. R. Blacow, in Charge of Tobacco Investigation. Pp. 24.
- 13.—July 20, 1905. Rubber in Hawaii. Jared G. Smith, Special Agent in Charge. Pp. 12.
- 14.—October 19, 1905. Fuller's Rose Beetle (*Aramigus fulleri* Horn.). D. L. Van Dine, Entomologist. Pp. 8, figs. 1.
- 15.—January 2, 1906. Lime an Essential Factor in Forage. Edmund C. Shorey, Chemist. Pp. 6.

- 16.—January 13, 1906. The Avocado Mealy-bug (*Pseudococcus nipae* Mask.). D. L. Van Dine, Entomologist. Pp. 12, figs. 3. (Reprint of Press Bulletin No. 8.)
- 17.—August 14, 1906. The Mango Weevil (*Cryptorhynchus mangiferae* Fabr.). D. L. Van Dine, Entomologist. Pp. 12, pls. 2.
- 18.—October 10, 1906. All About the Hawaii Experiment Station. Jared G. Smith, Special Agent in Charge. Pp. 14.
- 19.—January 19, 1907. A Preliminary Report on Rice Investigations. F. G. Krauss, Expert in Charge of Rice Investigations. Pp. 8.
- 20.—July 25, 1907. The Introduction of Top-Minnows (Natural Enemies of Mosquitoes) into the Hawaiian Islands. D. L. Van Dine, Entomologist. Pp. 10, figs. 3.
- 21.—No date. Fruit Marketing Investigations in 1907. J. E. Higgins, Horticulturist. Pp. 27, figs. 1.
- 22.—No date. Pineapple Shipping Experiments in 1908. J. E. Higgins, Horticulturist. Pp. 6, pls. 1.
- 23.—No date. The Influence of Manganese on the Growth of Pineapples. W. P. Kelley, Chemist. Pp. 14.
- 24.—No date. A Preliminary Report on Cotton Experiments. F. G. Krauss, Expert in Agriculture. Pp. 16.
- 25.—No date. Carbon Bisulphid for Killing Weeds. E. V. Wilcox, Special Agent in Charge. Pp. 4.
- 26.—No date. The Algaroba in Hawaii. E. V. Wilcox, Special Agent in Charge. Pp. 8.
- 27.—No date. The Use of Insecticides in Hawaii. D. T. Fullaway, Entomologist. Pp. 8.
- 28.—No date. Peanuts in Hawaii. F. G. Krauss, Agronomist. Pp. 11, pls. 2.
- 29.—No date. The Management of Pineapple Soils. W. P. Kelley, Chemist. Pp. 10.
- 30.—No date. Killing Weeds with Arsenite of Soda. E. V. Wilcox, Special Agent in Charge. Pp. 16.



- 31.—No date. Brief Instructions for Farm Butter Makers. F. A. Clowes, Superintendent Hawaii Sub-stations. Pp. 12, figs. 4.
- 32.—No date. Cultural Methods for Controlling the Cotton Boll Worm. C. K. McClelland, Agronomist, and C. A. Sahr, Assistant in Agronomy. Pp. 8, figs. 2.

#### SPECIAL BULLETINS.

- A Cultura da Banana (The Cultivation of the Banana). E. V. Wilcox, Special Agent in Charge. Pp. 8. (1911.)
- A Cultura da Uva (The Cultivation of the Grape). J. E. Higgins, Horticulturist. Pp. 15, figs. 3. (1911.)
- No Ka Hooulu Ana I Ka Maia (The Cultivation of the Banana). E. V. Wilcox, Special Agent in Charge. Pp. 12. (1911.)
- No Ka Hooulu Ana I Ke Kalo (The Cultivation of Taro). E. V. Wilcox, Special Agent in Charge, and F. A. Clowes, Superintendent Hawaii Sub-stations. Pp. 16. (1911.)
- The Grazing Industry. E. V. Wilcox, Special Agent in Charge. Pp. 92. (1911.)

#### REPRINTS.

- The Economic Seaweeds of Hawaii and Their Food Values. Minnie Reed, Science Teacher Kamehameha Manual Training Schools. Pp. 61-88, pls. 4-7. (Reprinted from Annual Report for 1906 )



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